

FIG. 1

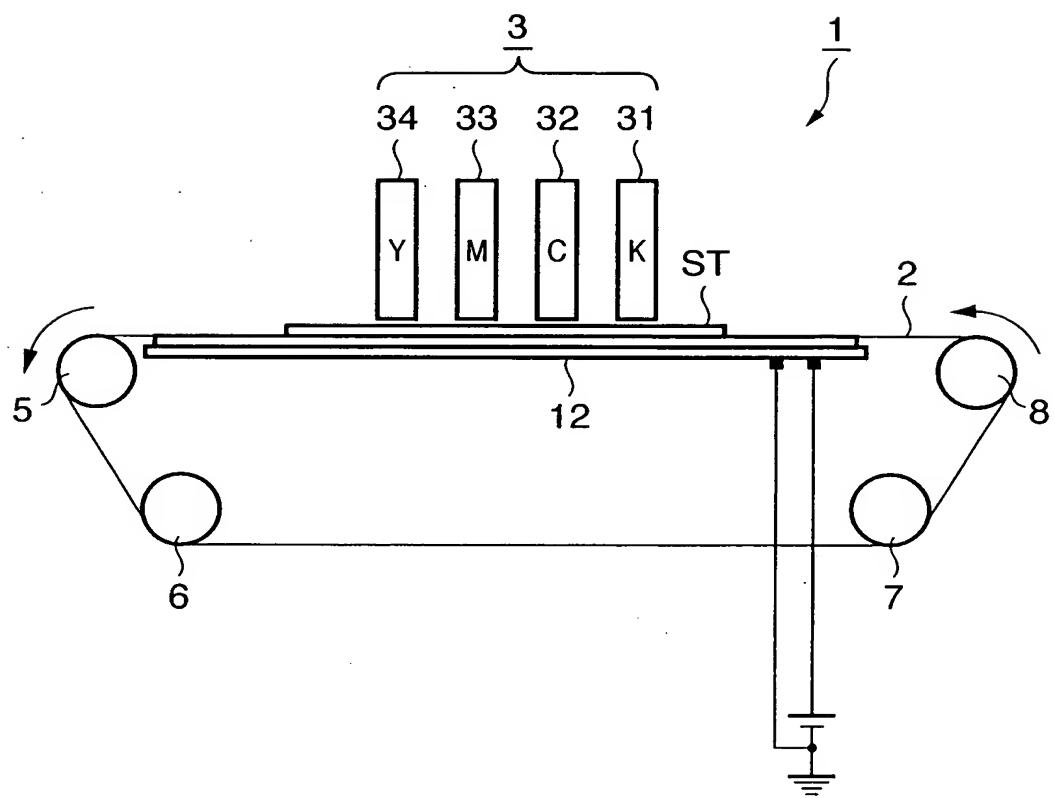


FIG. 2A

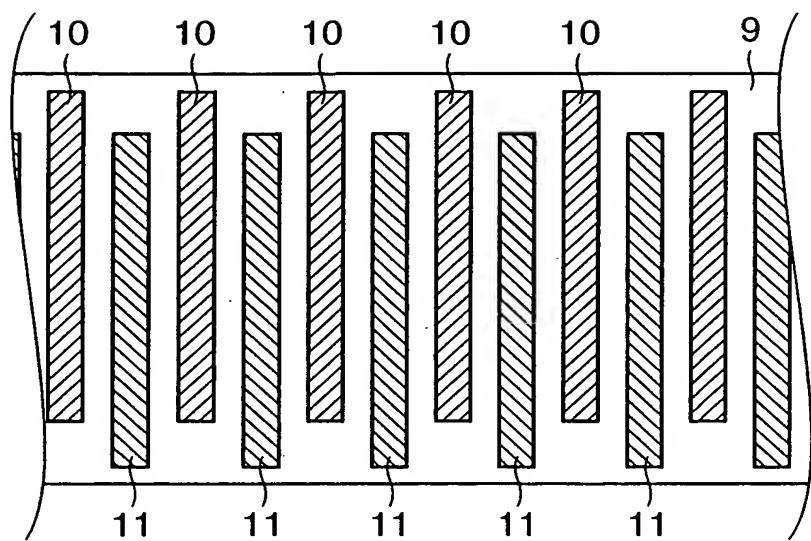


FIG. 2B

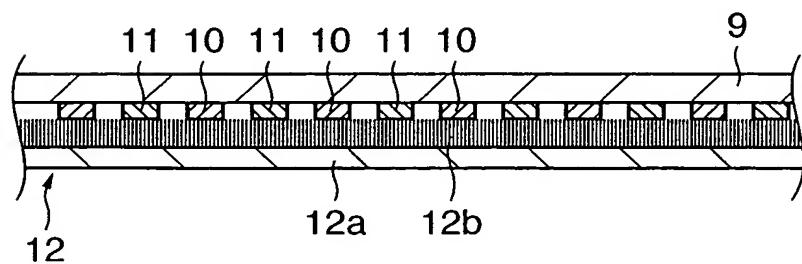


FIG. 3

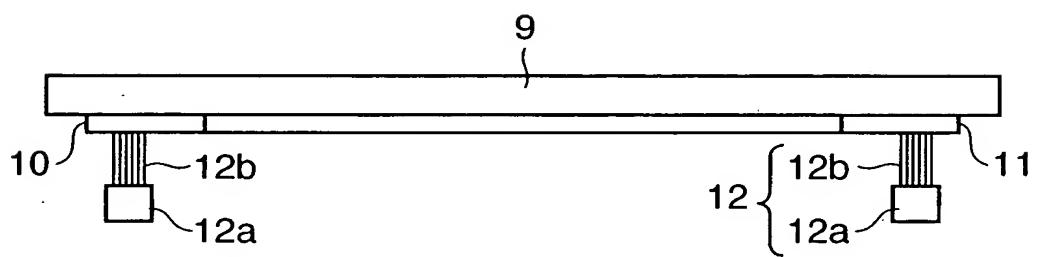


FIG. 4

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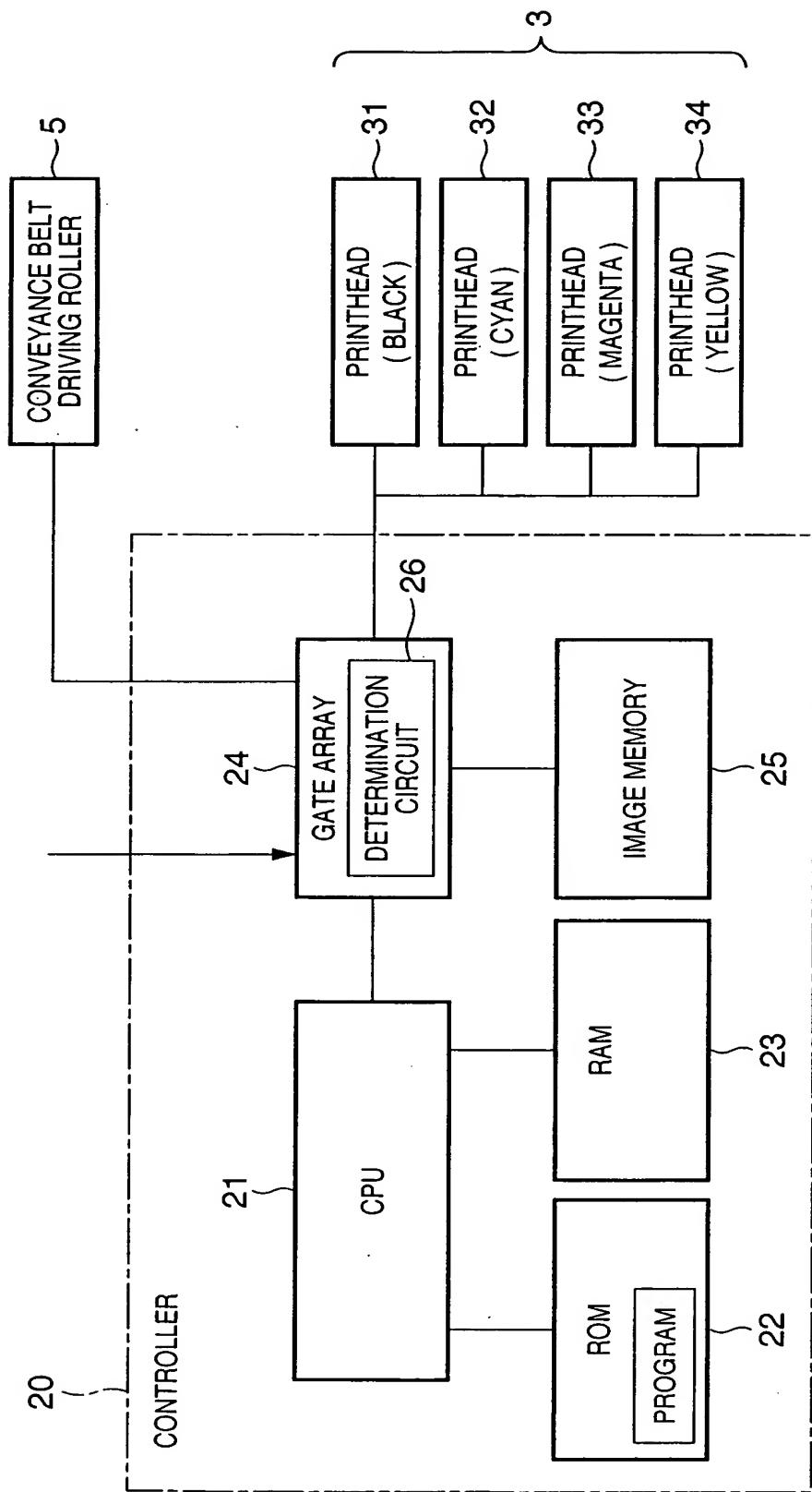


FIG. 5

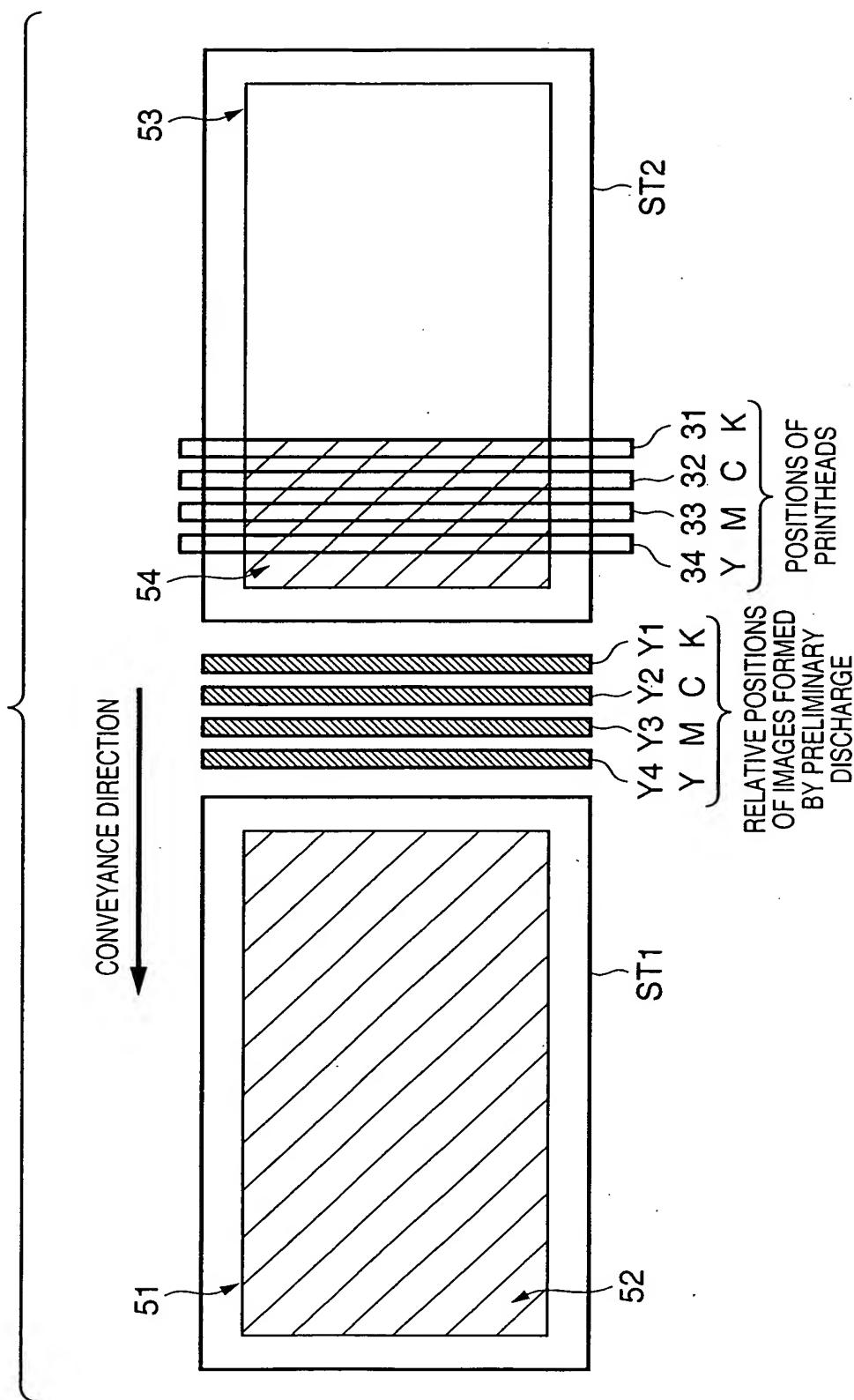
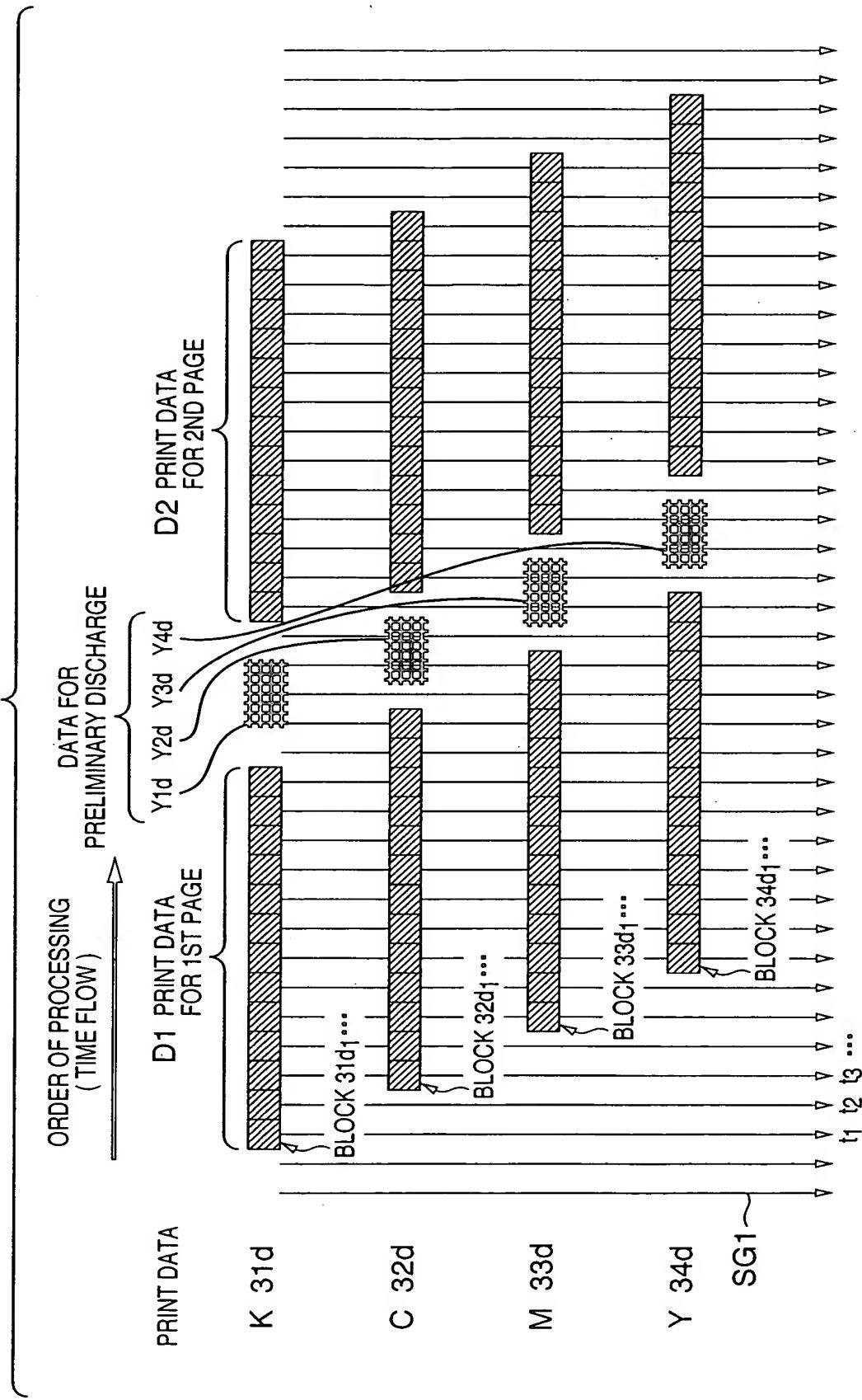


FIG. 6A



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TIME	NUMBER OF PRINTING ELEMENT SGI (SGI = LK + LC + LM + LY)				
	NUMBER LK OF K PRINTING ELEMENTS	NUMBER LC OF C PRINTING ELEMENTS	NUMBER LM OF M PRINTING ELEMENTS	NUMBER LY OF Y PRINTING ELEMENTS	NUMBER OF PRINTING ELEMENTS FOR PRELIMINARY DISCHARGE
PRINT- ING FOR 1ST PAGE (Y)	t ₁	31d ₁			
	t ₂	31d ₂			
	t ₃	31d ₃	32d ₁		
	t ₄	31d ₄	32d ₂		
	t ₅	31d ₅	32d ₃	33d ₁	
	t ₆	31d ₆	32d ₄	33d ₂	
	t ₇	31d ₇	32d ₅	33d ₃	34d ₁
	t ₈	31d ₈	32d ₆	33d ₄	34d ₂
	t ₉	31d ₉	32d ₇	33d ₅	34d ₃
	t ₁₀	31d ₁₀	32d ₈	33d ₆	34d ₄
	t ₁₁	31d ₁₁	32d ₉	33d ₇	34d ₅
	t ₁₂	31d ₁₂	32d ₁₀	33d ₈	34d ₆
	t ₁₃	31d ₁₃	32d ₁₁	33d ₉	34d ₇
PRINT- ING FOR 2ND PAGE (Y)	t ₁₄		32d ₁₂	33d ₁₀	34d ₈
	t ₁₅		32d ₁₃	33d ₁₁	34d ₉
	t ₁₆			33d ₁₂	34d ₁₀
	t ₁₇			33d ₁₃	34d ₁₁
	t ₁₈	31d ₁			Y _{1d}
	t ₁₉	31d ₂			Y _{1d}
	t ₂₀	31d ₃	32d ₁		Y _{2d}
	t ₂₁	31d ₄	32d ₂		Y _{3d}
	t ₂₂	31d ₅	32d ₃	33d ₁	Y _{4d}
	t ₂₃	31d ₆	32d ₄	33d ₂	
	t ₂₄	31d ₇	32d ₅	33d ₃	34d ₁
	t ₂₅	31d ₈	32d ₆	33d ₄	34d ₂
	t ₂₆	31d ₉	32d ₇	33d ₅	34d ₃
PRELIMINARY DISCHARGE BETWEEN 1ST PAGE AND 2ND PAGE	t ₂₇	31d ₁₀	32d ₈	33d ₆	34d ₄
	t ₂₈	31d ₁₁	32d ₉	33d ₇	34d ₅
	t ₂₉	31d ₁₂	32d ₁₀	33d ₈	34d ₆
	t ₃₀	31d ₁₃	32d ₁₁	33d ₉	34d ₇
	t ₃₁		32d ₁₂	33d ₁₀	34d ₈
	t ₃₂		32d ₁₃	33d ₁₁	34d ₉
	t ₃₃			33d ₁₂	34d ₁₀
:			⋮	⋮	

F I G.
6B

PRELIMINARY
DISCHARGE
BETWEEN
1ST PAGE
AND
2ND PAGE

FIG. 6C

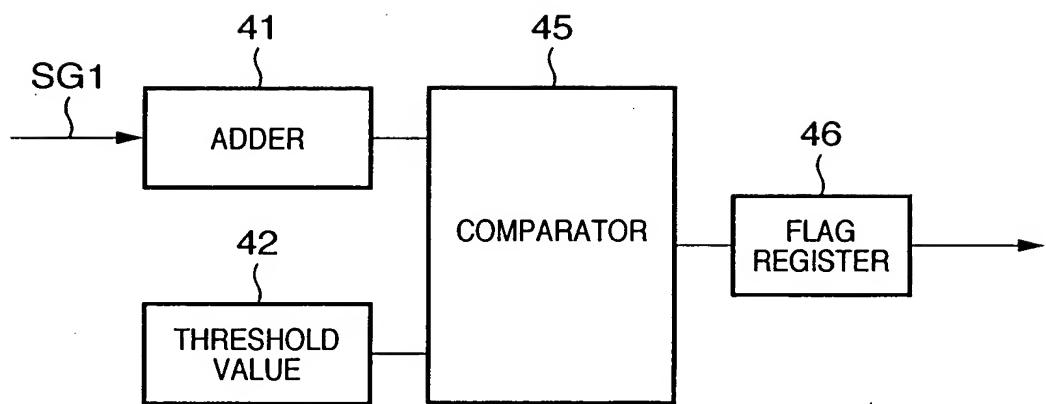


FIG. 7

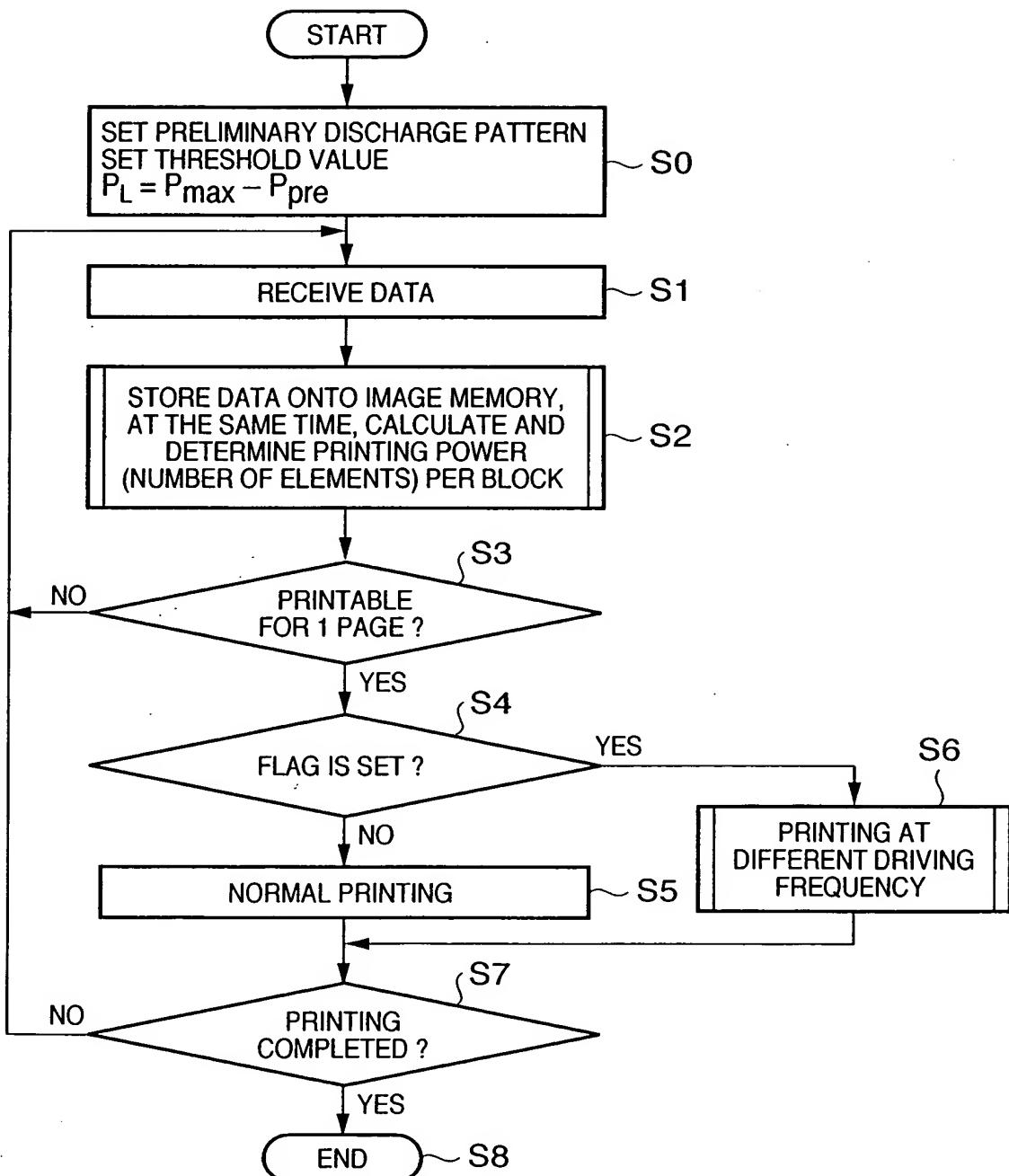


FIG. 8

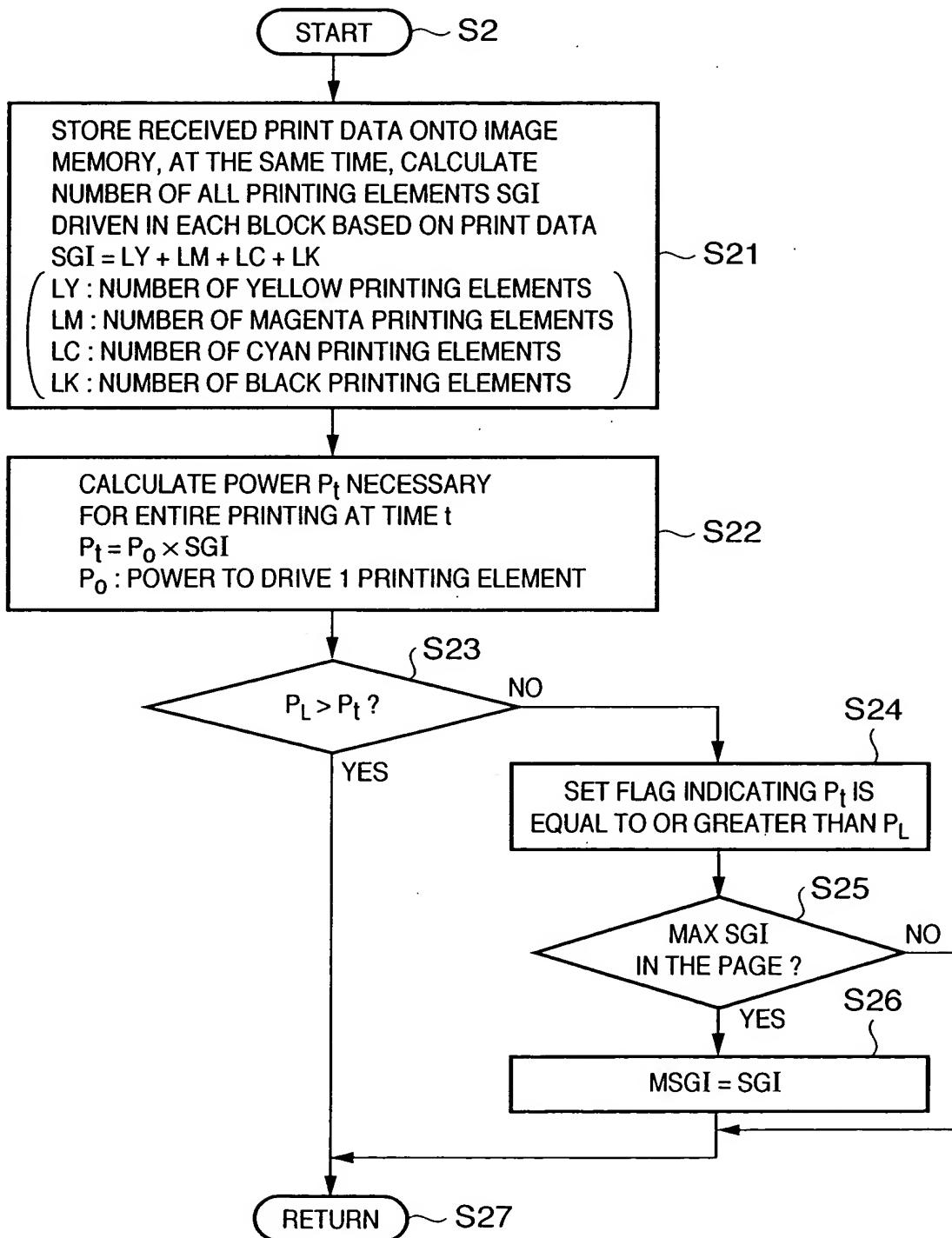
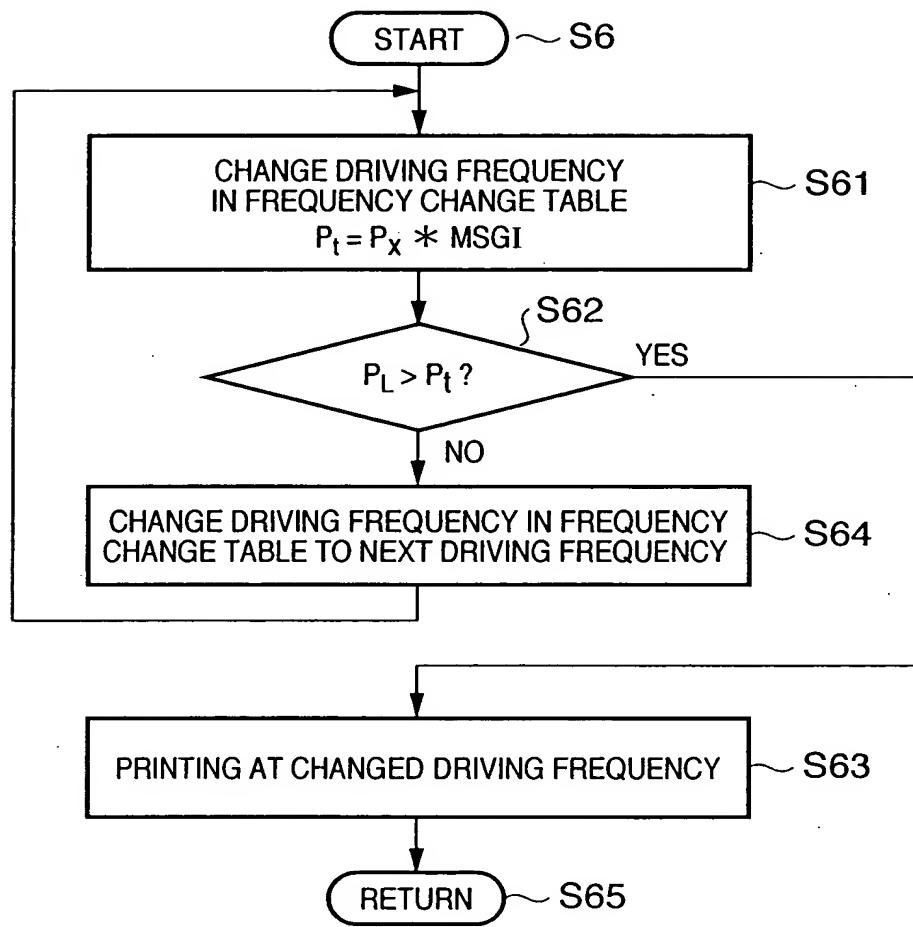


FIG. 9



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FIG. 10

PATTERN	PRELIMINARY DISCHARGE PROFILE	PRELIMINARY DISCHARGE POWER P_{pre}
1	DISCHARGE FROM ONLY ODD-NUMBERED PRINTING ELEMENTS	P_1
2	DISCHARGE FROM ONLY EVEN-NUMBERED PRINTING ELEMENTS	P_2
3	DISCHARGE FROM ALL PRINTING ELEMENTS	P_3
⋮	⋮	⋮
n	XXX	XXX

FIG. 11

NUMBER	DRIVING FREQUENCY (Hz)	DRIVING POWER (w)
1	XXX	P1
2	XXX	P2
3	XXX	P3
⋮	⋮	⋮
n	XXX	XXX